M. A. R. 57 (Rule 116) **No. D**

Measurement Book

Serial No. 1st and final Bill

226001

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency..... Technical Manager (West) KRIDL, Bangalore

Date of commencement of work..... D.O. Recorded 18-01-2019

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work : Imp. to Roads and drains at Yc.Ry.Gate, Yc.Ry.Gate Main Road, and surrounding area in Ward No-12, Shettyhalli Sub-Division						
	Estimated cost Rs : 50.00 Lakhs.						
	JOB. No : 012-18-000005						
	Work order No : BBMP/EE/DD/WO/37/2018-19.01						Dt. 11-09-2018.
(1)	Earthwork excavation by manual means in ordinary soil in relaying an average horizontal throw upto 2m and an average lift						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	upto 1.50 m, Excavated surface Levelled and finely and neatly dressed, the disposed earth to be levelled neatly after breaky of clods complete as per specifications and directions of Engineer in-charge of the work.						
		Qty vide this MB. 2 no (1)					
		p.no 226071	727.60			175.94 m³	By 126972.74
2)	Providing and laying in position plain cement concrete of mix 1:4:8 with opc. cement @ 160 kg/m³ with 40 mm nominal down size graded granite metal coarse aggregate @ 0.85 m³ and fine aggregate @ 0.57 m³, machine mixed concrete laid in layers not exceeding 15 cms thick, well compacted as per specifications and directions of Engineer-in-						

M. A. R. 57 (Rule 116) **No. D**
Measurement Book

Serial No. .....
226002

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Charge of work.						
		Qty vide this MB. 2 no (2)					
		p.no. 226072	38.40			5159.02 m³	5076.47.57
(3)	Providing and laying in position reinforced cement concrete of design mix M-20 with opc cement @ 320 kgs with 20 mm nominal down size graded granite metal, Coarse aggregate @ 0.87 m³ and fine aggregate @ 0.46 m³ with super plasticiser @ 3 ltr conforming to IS 71-3-1999 re-affirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms, vibrated for all works in floors for fishy, godowns, retaining walls, staircase, retaining walls, toilets walls						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cons thickness] including attached plinths, columns, pipes, abutments, pillars, posts, struts, buttresses, string or lacq courses, parapets, bed blocks, anchor blocks, plain Window sill, fillets etc including centring, shuttering, beam, thumb moulding, curing complete as per specifications and directions of Engineer-in-charge of the work.						
	(a) for drain Bottom	qty vide this mb.				p.no.	226076
		# abs (5) =				e	73.85 m³
	(b) for drain side wall Main Road, Vinayakanagar 4	2×1	30.00	0.15	0.75	6.75	
		2×1	25.00	0.15	0.75	5.63	
		2×2	28.00	0.15	0.80	13.44	
		2×3	30.00	0.15	0.90	24.30	

M. A. R. 57 (Rule 116) No. D
Measurement Book

226003

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2×3	0.75	0.80	e		
	R/S	2×1	13.00	0.15	0.90	3.51 m³	
		2×2	27.00	0.15	0.75	12.15	
		2×1	28.00	0.15	0.80	6.72	
		2×1	29.00	0.15	0.85	7.40	
		2×3	30.00	0.15	0.90	24.30	
		2×1	12.20	0.15	0.90	3.51	
	Culverts - Deck slab	1	6.50	1.50	0.25	2.44	
		3×1	8.00	1.50	0.25	9.00	
		4×1	8.00	1.50	0.25	12.00	
						210.10 m³	

Up to. 207.70 m³ e

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
4)	Providg and constructg granite/trap/basalt size stone masonry in foundation with cement mortar 1:6 Edges of stones chiselled dressed in courses not less than 15cms high, bed stones at 2m apart in each courses including costg all materials labours, curg complete as per specifications of drawings of Engineer-in-charge of work.						
	for CD	2nos	6.55	0.62	0.90	= 7.25	
		2x3	8.00	0.62	0.80	= 23.80	
		2x4	8.60	0.60	0.80	= 30.72	
						61.77 m³	
					Less	61.44 m³	325988.35
					C	5305.89 kg	

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

226004

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(5)	Providg of removg centg, shuttering, propping etc and removal of debris from work for vertical surfaces such as walls, abutments, piers, wing walls, steining, thickness, including attached pilasters, buttresses, plinth and string courses etc of any curved on battered on plan, costg of all materials, labours, complete as per specifications of drawings of Engineer-in-charge of work.						
						qty vide this MB Page No (4)	
						Page No 224 to 225 468.00 m² @ 310.58 kg/m²	31847.44
(6)	Providing and laying mild steel reinforcement for RCC work including						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	attached platform straightg, cutting, bendg, hooking, placg in position. Lapping of or weldg wherever required, tying with binding wire and anchoring to the adjoing members wherever necessy complete as per design, cost of material, labour, carrig machinery complete as per specification and directing Engineer in-charge of work.						
	Supplyg and laying M.S. Flats as per Proposal 226005					13.78 64243.42	88274.33
7)	Providing and laying reinforced cement precast slabs of mix. C.C. 1:2:4 with 435.20mm and down size granite gravel metal 435 x 435 x 10mm thick steel 100mm M/c body						

M. A. R. 57 (Rule 116) **No. D**
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

226005

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work of complete as per specifications and direction of Engineer-in-charge of work.						
a)	Drain covering slabs. -4)	1	30.00	0.90	-	27.00 m²	
		1	25.00	0.90	-	22.50	
		2	28.00	0.90	-	50.40	
		3	30.00	0.90	-	81.00	
		1	13.00	0.90	-	11.70	
		2	27.00	0.90	-	48.60	
		1	28.00	0.90	-	25.20	
		1	29.00	0.90	-	26.10	
		3	30.00	0.90	-	81.00	

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Mixing slabs	1	13.20	0.90	-	11.88 m²	
		1	29.00	0.90	-	26.10	
		1	25.00	0.90	-	22.50	
		1	27.20	0.90	-	24.48	
		1	28.50	0.95	-	25.65	
						484.11 m²	
					Less	483.95 m²	
					@ 1680/m²		81784.00
					Total Rs		45,01,313.54
					Add 4.5% Labour Cess @		4,95,152.08
					Total Rs		49,96,534.62

Checked and Recorded
18/1/2019

18/01/2019

M. A. R. 57 (Rule 116) No. D

Measurement Book

226006

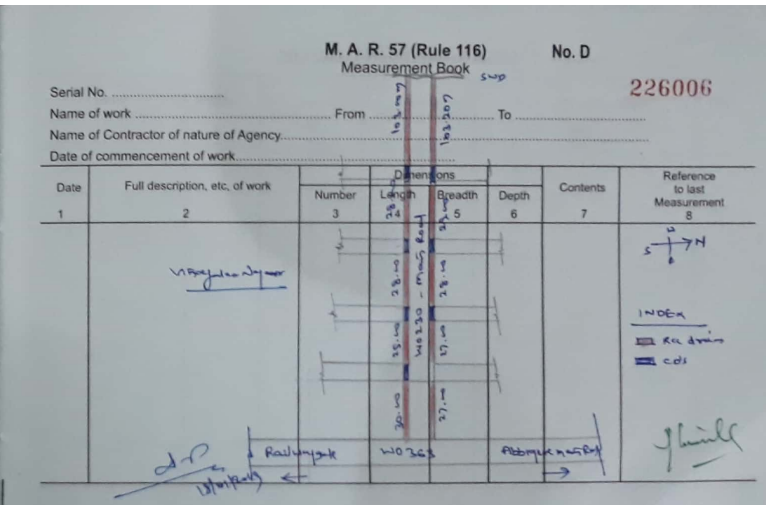
Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor or nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Railway line		WO 363		Railway boundary		



Scanned by CamScanner